

# PATENT ABSTRACTS OF JAPAN

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(71)Applicant : TERUMO CORP

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(72)Inventor : NOMURA TAKEO  
MINOO OSAMU  
ASAKURA YOSHIKAZU  
MIYAUCHI YUJI  
ITO YOSHITAKA

## (54) ELIMINANT OF IMMUNOSUPPRESSIVE SUBSTANCE IN HUMORS

(57)Abstract:

PURPOSE: The titled eliminant reactivating immunological power of a cancer patient by passing it through humors, e.g., serum, ascites, etc. of the cancer patient to remove extraordinarily increased immunosuppressive acidic substance (IAS), etc. through adsorption, obtained by supporting an anti-IAS antibody on a carrier.

CONSTITUTION: An anti-IAS antibody is supported on an organic or inorganic carrier (e.g., cellulose, glass, etc.). For example, the column 4 with the inlet 2 and the outlet 3 at the top and bottom ends is packed with the eliminant 1a of immunosuppressive substance obtained by the support and used. In the serum, ascites, etc. of a cancer patient, acidic protein of immunosuppressive substance: IAS, etc. increases extraordinarily, so that immunological activity of the cancer patient reduces, to increase cancerous cell abruptly. Consequently, an antibody to the IAS, etc. is produced conventionally and is supported by a carrier to give the titled eliminant, which is brought into contact with the humors of a cancer patient, to remove the immunosuppressive substance specifically and readily.

